Creative Enzymes®

dTDP-4-amino-4,6-dideoxy-D-glucose ammonia-lyase

Cat. No. EXWM-5290

Lot. No. (See product label)

Introduction

Description	The enzyme, which is a member of the 'AdoMet radical' (radical SAM) family, is involved in biosynthesis of TDP-α-D-desosamine. The reaction starts by the transfer of an electron from the reduced form of the enzyme's [4Fe-4S] cluster to S-adenosyl-L-methionine, spliting it into methionine and the radical 5-deoxyadenosin-5'-yl, which attacks the sugar substrate.
Synonyms	desII (gene name); eryCV (gene name); MegCV

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.3.1.30
Reaction	dTDP-4-amino-4,6-dideoxy-α-D-glucopyranose + S-adenosyl-L-methionine + reduced acceptor = dTDP-3-dehydro-4,6-dideoxy-α-D-glucopyranose + NH3 + L-methionine + 5'-deoxyadenosine + acceptor
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.